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(54) CATALYST FOR PURIFYING EXHAUST GAS

(57)Abstract:

PURPOSE: To prevent the lowering in purifying capacity at high temp., by forming a catalyst for purifying exhaust gas by supporting a catalytic metal by a catalyst supporting layer consisting of cerium oxide and zirconium partially present as a composite oxide.

CONSTITUTION: A catalyst for purifying exhaust gas is formed by supporting a catalytic metal by a catalyst supporting layer consisting of cerium oxide and zirconium oxide partially present at least as a composite oxide or a solid solution. In this case, the cerium atom and zirconium atom supported as the composite oxide or solid solution are pref. constituted so that the atomic ratio of the number of zirconium atom to that cerium atoms is 5:95W80:20. As the catalytic metal, a noble metal such as Pt, Rh, Pd, Ir, Ru or the like can be used.

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